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Maximum Match 100%
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                                                                                                                                                                                                                                                                                                                                                         NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P108
TELECOMMUNICATION INFORMATION:
TELEPIONE: 650/25-2066
TELEPIAN: 650/952-9881
INFORMATION FOR SEQ ID NO: 4:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 4, Application US/08899437
Patent No. 6121415
GENERAL INFORMATION:
                                                                Matches
                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb flo
MEDIUM TYPE: 3.5 inch, 1.44 Mb flo
MEDIUM TYPE: 3.5 inch, 1.44 Mb flo
COMPUTER: IBM PC compatible
COMPUTER: 1.50 / 88 / 89 / 437
PILING DATE: 24 Jul - 1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
TITLE OF INVENTION: Ligands and Uses Therefor
NUMBER OF SEQUENCES: 23
                                                                                                                                                                                                                                                                                                                   SEQUENCE CHARACTERISTICS:
LENGTH: 47 amino acids
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IDENTIFICATION METHOD:
OTHER INFORMATION:
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TOPOLOGY: Linear
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                                                                                  100.0%; Score 277; DB 3; 100.0%; Pred. No. 2.2e-26;
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Patent No. 6121415
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Patent No. 6252051
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Matches 4
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: US/08/
FILING DATE: 24-Jul-1997
FILING PRICATION: 435
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Conley, Delitare L.
REGISTRATION UNDEBR: 56,48
REFERENCE/DOCKET NUMBER: E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Winpatin (Genentech) CURRENT APPLICATION DATA:
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NAME/KEY: NRG3 EGF-11
LOCATION: 1-47
IDENTIFICATION METHOD:
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MEDIUM TYPE: 3.5 inc
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TITLE OF INVENTION: ErbB Rec
TITLE OF INVENTION: Ligands
COMPUTER READABLE FORM:
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TITLE OF INVENTION: EX
TITLE OF INVENTION: Li
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                                    COUNTRY:
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                                                                                                             ADDRESSEE:
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                                                                      r: 1 DNA Way
South San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Similarity
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1 DNA Way
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                                                                                                         Genentech, Inc.
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                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Score 277; DB 3;
100.0%; Pred. No. 2.2e-26;
tive 0; Mismatches 0;
                                                                                                                                                                                   , Paul J., Mark, Melanie Rose, Zhang, Dong
ErbB Receptor-Specific Neuregulin Related
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ErbB Receptor-Specific Neuregulin Related
                                                                                                                                                                   gands and Uses Therefor
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RESULT 4
US-09-126-121-8
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Patent No. 625205
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GENERAL IMPORMATION:
APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong
TITLE OF INVENTION: ErbB Receptor-Specific Meuregulin Related
TITLE OF INVENTION: Ligands and Uses Therefor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: WinPatin (Genentech) CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/126,1: FILING DATE: 30-Jul-1998
                                                                                                                                                       CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb
MEDIUM TYPE: 18H PC compactible
COMPUTER: 18H PC compactible
OPERATING SYSTEM: PC-DOS/MS-DOS
OPERATING SYSTEM: PC-DOS/MS-DOS
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STREET: 1 L...
CITY: South San Fra
CTATE: California
TTCA
                                                                                TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                           SOFTWARE: WinPatin (Genentech)
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES: CORRESPONDENCE ADDRESS
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ATTORNEY/AGENT INFORMATION:
                                                                                                 NAME: Conley, Deirdre L. REGISTRATION NUMBER: 36, REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                  APPLICATION NUMBER: US/01
FILING DATE: 30-Jul-1998
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                                                        TELEPHONE:
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                                                                                                                                                                                                                                                                                                                                                                  94080
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Application US/09126121
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                                                            650/225-2066
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                                                                                                                                                                                                                                                                                                                                                                                                                               Francisco
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                                                                                                              36,487
                                                                                                                                                                                                                          US/09/126,121
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LENGTH: 47 ame.
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47 amino acids

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Local

Matches Query Match

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...rulCANT: Yarder, Vosef
TITLE OF INVENTION: NOVEL GROWTH FACTOR WHICH ACTS THROUGH ErbB-4 RECEPTOR TYROSINE.
TITLE OF INVENTION: SEQUENCES ENCODING SAME AND USES THEREOF
FILE REFERENCE: 00/20512
CURRENT APPLICATION NUMBER: US/09/553,769
CURRENT FILING DATE: 2000-04-21
NUMBER OF SEQ ID NOS: 18
SOFTWARE: Patentin version 3.0
SEQ ID NO 6
LENGTH: 48
TYPE: PDT
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Patent No. 6121415
GENERAL INFORMATION:
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Best Local Similarity
                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/899,437
FILING DATE: 24-Jul-1997
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related TITLE OF INVENTION: Ligands and Uses Therefor NUMBER OF SEQUENCES: 23
ATTORNEY/AGENT INFORMATION:
NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
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                                                                                                                                                                                                                                                                                                                                                                                                                                                STREET: 1 DNA Way
CITY: South San Francisco
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                                                                                                                                                                                                                                                                                                                                                                                                                    California
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Pred. No. 2.3e-26;
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                                                                                                                                                       US-09-126-121-7
                                                                                                                                                                                                                                                                                                                                                           INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 360 amino
                  Query Match
Best Local Similarity
Matches 47; Conserv
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Patent No. 6252051
GENERAL INFORMATION:
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TELEPAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
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LOCATION: 1-360
IDENTIFICATION METHOD:
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REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: 910
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
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SOFTWARE: WinPatin (Genentecn)
CURRENT APPLICATION DATA:
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COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
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TITLE OF INVENTION: ErbB Receptor-Specific Neu
TITLE OF INVENTION: Ligands and Uses Therefor
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                                                                                                                                                                                                                                            NAME/KEY:
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                                                                                                                                                                             IDENTIFICATION METHOD: OTHER INFORMATION:
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STREET: 1 DNA Way
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     286 HFKPCRDKDLAYCLNDGECFVIETLTGSHKHCRCKEGYQGVRCDQFL 332
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                                  100.0%; Score 277; DB 3; ilarity 100.0%; Pred. No. 1.8e-25; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong VENTION: ErbB Receptor-Specific Neuregulin Related
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                                                                                           Length 360;
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US-08-899-437-3
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                                                                                                                                                                                                                                               RESULT 9
US-09-126-121-3
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Patent No. 6121415
GENERAL INFORMATION:
                                                                                                                                                                                                  Sequence 3, Application US/09126121
Patent No. 6252051
                                                                                                                                                                                                                                                                                                                                                                                                                Matches
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Best Local S
                                                                                 GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhan
APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhan
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin
TITLE OF INVENTION: Ligands and Uses Therefor
'TITLE OF INVENTION: 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US/08/899,437
APPLICATION NUMBER: US/08/899,437
FILING DATE: 24-Jul-1997
CLASSIFICATION: 435
AFTORNEY/AGENT INFORMATION:
NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1084R1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Windatin (Genentech)
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                                                         NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
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STREET: 1 DNA nu,
CITY: South San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    IDENTIFICATION METHOD: OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY: Linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LOCATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME/KEY: mNRG3 extracellular domainAmino acid seg
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Patent No. 6121415
GENERAL INFORMATION:
APPLICANT: GOGOWS
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COMPUTER READABLE FORM:
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/126,121
FILING DATE: 30-U1-1998
CLASSIFICATION:
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MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERALING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION UNMESE: US/08/899,437
FILING DATE: 24-Jul-1997
CLASSIFICATION: 435
CCLASSIFICATION: 435
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INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 362 amino acids
TYPE: Amino Acid
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
TITLE OF INVENTION: Ligands and Uses Therefor
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P10
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
                                                       NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
                                                                                                                                                      ATTORNEY/AGENT INFORMATION:
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IDENTIFICATION METHOD:
OTHER INFORMATION:
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p. 6121415
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1 Similarity 100.0%;
47; Conservative 0;
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Pred. No. 1.8e-25;
Mismatches 0;
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RESULT 12
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INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 696 amino acids
TYPE: Amino Acid
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US-09-126-121-23
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SOFTWARE: WinPatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/126,
FILING DATE: 30-Jul-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb |
COMPUTER: IBM PC compatible
COMPUTER: IBM PC COMPATING SYSTEM: PC-DOS/MS-DOS
COPPRAFING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: Comley, Deirdre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1.
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong TITLE OF INVENTION: ExbB Receptor-Specific Meuregulin Related TITLE OF INVENTION: Ligands and Uses Therefor NUMBER OF SEQUENCES: 23

CORRESPONDENCE ADDRESS:
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ZIP: 94080
                                                                                                                                                                                                                         OTHER INFORMATION:
                                                                                                                                                                                                                                        LOCATION: 1-696
IDENTIFICATION METHOD:
                                                                                                                                                                                                                                                                            NAME/KEY:
                                                                                                                                                                                                                                                                                                                                                                                                              TELEPHONE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LOCATION: 1-696
IDENTIFICATION METHOD:
OTHER INFORMATION:
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                                                                   286 HEKPCRDKDLAYCLNDGECFVIETLIGSHKHCRCKEGYQGVRCDQFL 332
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47; Conserv
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                                                                                         HFKPCRDKDLAYCLNDGECFVIETLTGSHKHCRCKEGYQGVRCDQFL 47
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                                                                                                                                   100.0%; Score 277; DB 3; ilarity 100.0%; Pred. No. 3.5e-25; Conservative 0; Mismatches 0;
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US-09-126-121-2
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                                                                                                                                                                                                                                                                                                                         Sequence 2, Application US/09126121
Patent No. 6252051
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J., M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEPHONE: 650/225-2066
TELEPAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 713 amino acids
TYPE: Amino Acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Matches
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Best Local
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GENERAL INFORMATION:
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COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatin (Genentech)
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                             TITLE OF INVENTION: ErbB Receptor-Specific NeuTITLE OF INVENTION: Ligands and Uses Therefor NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
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CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Godowski, TITLE OF INVENTION: TITLE OF INVENTION:
                                                                                                                                                                    STATE:
                                                                                                                                ZIP:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Local
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IDENTIFICATION METHOD:
OTHER INFORMATION:
                                                                                                                                            COUNTRY:
                                                                                                                                                                                                      ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME/KEY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME: Conley, Deirdre L
REGISTRATION NUMBER: 36
REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: US/0
FILING DATE: 24-Jul-1997
CLASSIFICATION: 435
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                                                                                                                                                                South San Francisco : California
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: South San Fr
E: California
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BrbB Receptor-Specific Neuregulin Related
Ligands and Uses Therefor
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FILING DATE: 30-Jul-1998 CLASSIFICATION: ATTORNEY/AGENT INFORMATION:

APPLICATION NUMBER:

US/09/126,121

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Patent No. 6121415
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SEQUENCE CHARACTERISTICS:
LENGTH: 713 amino acids
TYPE: Amino Acid
                                                                                                                                                                                       TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Godowski, Paul J., Mark, Peterson TITLE OF INVENTION: ErbB Receptor-Specific NeurITITLE OF INVENTION: Ligands and Uses Therefor NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
                                                                                                                          SEQUENCE CHARACTERISTICS:
LENGTH: 720 amino acids
TYPE: Amino Acid
                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatin (Genentech)
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REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P10
TELECONMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
                                                                                                                                                                                                                                                                    APPLICATION NUMBER: US/08/899,437
FILING DATE: 24-UU1-1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAMS: CORIEY, Deirdre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1084R1
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STATE: Californ:
NAME/KEY: hNRG3B1 ami:
LOCATION: 1-720
IDENTIFICATION METHOD:
OTHER INFORMATION:
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                                                             hNRG3B1 amino acid sequence
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ative 0;
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Pred. No. 3.6e-25;
Mismatches 0;
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Search completed: July 4, 2004, 04:30:10 Job time: 24 secs
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US-09-126-121-6
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Patent No. 6282051
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J., M
                                                                                                                                         Matches
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                                                                                                                                                                                                                                                                                                                                                                   INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Windatin (Genentech)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao TITLE OF INVENTION: BrbB Receptor-Specific Neuregulin Related TITLE OF INVENTION: Ligands and Uses Therefor NUMBER OF SEQUENCES: 23
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CORRESPONDENCE ADDRESS
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ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION DATA:
                                                                                                                                                                                                                           LOCATION: 1-720
IDENTIFICATION METHOD:
OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME: Conley, Deirdre L
REGISTRATION NUMBER: 36
REFERENCE/DOCKET NUMBER:
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CITY: South San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                   LENGTH: 720 _
TYPE: Amino Acid
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                                                                                                                                                        Local Similarity
                                                                      286 HFKPCRDKDLAYCLNDGECFVIETLTGSHKHCRCKEGYQGVRCDQFL 332
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                                                                                     1 HFKPCRDKDLAYCLNDGECFVIETLTGSHKHCRCKEGYQGVRCDQFL 47
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                                                                                                                                                        100.0%; Score 277; DB 3; 100.0%; Pred. No. 3.6e-25;
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Result
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Maximum
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Perfect so
Sequence:
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1: /cgn2 6/ptodata/2/pubpaa/US07 PUBCOMB.pep:*

2: /cgn2 6/ptodata/2/pubpaa/US06 NEW PUB.pep:*

3: /cgn2 6/ptodata/2/pubpaa/US06 NEW PUB.pep:*

4: /cgn2 6/ptodata/2/pubpaa/US06 PUBCOMB.pep:*

5: /cgn2 6/ptodata/2/pubpaa/US07 REW PUB.pep:*

6: /cgn2 6/ptodata/2/pubpaa/US08 NEW PUB.pep:*

6: /cgn2 6/ptodata/2/pubpaa/US08 NEW PUB.pep:*

7: /cgn2 6/ptodata/2/pubpaa/US08 PUBCOMB.pep:*

9: /cgn2 6/ptodata/2/pubpaa/US08 PUBCOMB.pep:*

10: /cgn2 6/ptodata/2/pubpaa/US09E PUBCOMB.pep:*

11: /cgn2 6/ptodata/2/pubpaa/US09E PUBCOMB.pep:*

12: /cgn2 6/ptodata/2/pubpaa/US10E PUBCOMB.pep:*

13: /cgn2 6/ptodata/2/pubpaa/US10E PUBCOMB.pep:*

14: /cgn2 6/ptodata/2/pubpaa/US10E PUBCOMB.pep:*

15: /cgn2 6/ptodata/2/pubpaa/US10E PUBCOMB.pep:*

16: /cgn2 6/ptodata/2/pubpaa/US10E PUBCOMB.pep:*

17: /cgn2 6/ptodata/2/pubpaa/US10E PUBCOMB.pep:*

18: /cgn2 6/ptodata/2/pubpaa/US10E PUBCOMB.pep:*

18: /cgn2 6/ptodata/2/pubpaa/US10E PUBCOMB.pep:*
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Match
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Maximum Match 100%
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Copyright (c) 1993 - 2004 Compugen Ltd
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US-10-215-862-8
4 US-10-215-862-8
4 US-10-29-877-647-7
US-10-817-647-7
US-10-817-647-3
US-10-13-582-7
US-10-9-817-647-3
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| US-09-817-647-23
| US-09-817-647-2
| US-10-136-573A-2
| US-10-125-862-2
| US-09-817-647-6
| US-09-817-647-6
| US-09-817-647-6
| US-09-817-647-6
| US-09-817-647-1
| US-10-136-573A-6
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Sequence 3, Appli sequence 2, Appli sequence 23, Appli sequence 24, Appli sequence 2, Appli sequence 2, Appli sequence 6, Appli sequence 6, Appli sequence 14, Appli sequence 17, Appli sequence 17, Appli sequence 18, Appli sequence 17, Appli sequence 18, Appli sequence 17, Appli sequence 16, Appli sequence 17, Appli sequence 17, Appli sequence 16, Appli sequence 17, Appli sequence 18, Appli sequence 15, Appli sequence 16, Appli sequence 17, Appli sequence 17, Appli sequence 18, Appli sequence 18, Appli sequence 19, Appli sequence 11, Appli sequence 15, Appli sequence 16, Appli sequence 17, Appli sequence 17, Appli sequence 18, Appli sequence 18, Appli sequence 19, Appli
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US-09-817-647-4
                                                                                                                                                                                               ; SEQUENCE DESCRIPTION: SEQ ID NO: 4: US-09-817-647-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 4, Application US/09817647
Patent No. US20020082229A1
GENERAL INFORMATION:
                                                                                               Matches
                                                                                                                  Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: 1BM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/817,647
FILING DATE: 26-Mar-2001
CLASSIFICATION DATA:
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1084R1-2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: 09/107,979
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
ADDRESSE: Genente
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
Ligands and Uses Therefor
                                                                                                                                                                                                                                                                                                                                                   FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES:
                                                                                               47;
                           1 HFKPCRDKDLAYCLNDGECFVIETLTGSHKHCRCKBGYQGVRCDQFL 47
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CITY: South San Fra
STATE: California
COUNTRY: USA
                                                                                                                                                                                                                                             NAME/KEY: NRG3 EGF-like domain/amino acid seq.
LOCATION: 1-47
IDENTIFICATION METHOD:
OTHER INFORMATION:
HFKPCRDKDLAYCLNDGECFVIETLTGSHKHCRCKEGYQGVRCDQFL 47
                                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY: Linear
                                                                                                                                                                                                                                                                                                                                                                                                    LENGTH: 47 amino acids TYPE: Amino Acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      $\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tin}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tetx{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tetx{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\ti}\\\ \ti}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\texi}\text{\texi}\text{\text{\texi}\text{\text{\tetx{\texicr{\texit{\texit{\texit{\texi}\text{\texi}\text{\texit{\ticr{\texictex{\texit{\texi{\texi{\texi}\tint{\texit{\texi}\tint{
                                                                                               Conservative
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US-09-946-807-33

US-09-795-668-27

US-09-795-688-27

US-09-946-807-27

US-09-795-668-24

US-09-795-688-24

US-09-795-668-24

US-09-795-668-26
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US-09-795-668-33
                                                                                                                  Score 277; DB 9
Pred. No. 2e-26;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ALIGNMENTS
                                                                                               Mismatches
                                                                                                                                           9
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                                                                                                                                           Length 47;
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US-09-877-665-4
US-09-877-665-4
; Sequence 4, Application US/09877665
; Patent No. US20020164680A1
; GENERAL INFORMATION:
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Patent No. US20020082729A1

GENERAL INFORMATION:

APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao

TITLB OF INVENTION: ErbB Receptor-Specific Neuregulin Related

Ligands and Uses Therefor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/107,979
FILING DATE: CUNKNOWN>
FILING DATE: CUNKNOWN>
ATTORNEY/AGENT INFORMATION:
NAME: CONLEY, Deirdre L.
REGISTRATION UNUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1084R1-
TELBCOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
TELEPHONE: 650/225-2066
TELEPHONE: 650/225-2081
INFORMATION FOR SEQ ID NO: 8:
                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
                                                                                                                          APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
Ligands and Uses Therefor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE CHARACTERISTICS:
LENGTH: 47 amino acids
                                                                                 CORRESPONDENCE ADDRESS:
                                                                                                         NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                    47;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: US/09/817,647
FILING DATE: 26-Mar-2001
CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: WinPatin (Genentech)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CITY: South San F:
STATE: California
COUNTRY: USA
CITY: South San Francisco
STATE: California
                                           STREET: 1 DNA Way
                                                              ADDRESSEE: Gementech, Inc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LOCATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME/KEY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY: Linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADDRESSEE: Genentech, Inc. STREET: 1 DNA Way
                                                                                                                                                                                                                                                                                                                                                                                                                                          Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Amino Acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%; Score 277; DB 9;
100.0%; Pred. No. 2e-26;
... Mismatches 0;
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BER: P1084R1-2
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COUNTRY: USA

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US-09-877-665-8
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 8, Application US/09877665
Patent No. US20020164680A1
GENERAL INFORMATION:

APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
Ligands and Uses Therefor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match

Best Local Similarity 100.

Matches 47; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1084R1-1
REFERENCE/DOCKET NUMBER: P1084R1-1
RELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
ITELEPAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
                                                                                                                         COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy dis

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: WinPatin (Genentech)

CURRENT APPLICATION NUMBER: US/09/877,665

FILING DATE: 08-Jun-2001

CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatin (Genentech)
CURRENT APPLICATION DATA:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/109,206
FILING DATE: 30-Jun-1998
ATTORNEY/AGENT INFORMATION:
NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: US/09/109,206
FILING DATE: 30-Jun-1998
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE DESCRIPTION: SEQ ID NO: 4:
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COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQUENCES:
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FILING DATE: 08-Jun-2001
CLASSIFICATION: <UNKNOWN>
                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE: Genentech, Inc
STREET: 1 DNA Way
CITY: South San Francisco
                                                                                                                                                                                                                                                                                                                                       ZIP: 94080
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                                                                                                                                                                                                                                                                                                                                                                                  STATE: California
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OTHER INFORMATION:
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Pred. No. 2e-26;
); Mismatches 0;
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APPLICANT: Zhang, Dong Xiao
FITTLE OF INVENTION: ErBB Receptor-Specific Neuregulin Related Ligands and
FITTLE OF INVENTION: Uses Therefor
FILE REFERENCE: P1084R1C2
CURRENT APPLICATION NUMBER: US/10/136,573A
CURRENT EILING DATE: 2002-04-29
PRIOR APPLICATION NUMBER: US 09/480,977
PRIOR FILING DATE: 2000-01-11
PRIOR APPLICATION NUMBER: US 08/899,437
PRIOR FILING DATE: 1997-07-24
PRIOR FILING DATE: 1997-07-24
PRIOR FILING DATE: 1997-07-09
NUMBER OF SEQ ID NOS: 23
SEQ ID NO 4
LENGTH: 47
LENGTH: 47
TYPE: PRI
TYPE: PR
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                                                                                                                                                                                                                                                                                                                                                                             RESULT 6
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US-10-136-573A-4
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                                                                                                                                                                                                                         Sequence 8, Application US/10136573A
Publication No. US20020161200A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-10-136-573A-4
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Best Local
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Best Local |
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                             APPLICANT: Godowski, Paul J.
APPLICANT: Mark, Melanie Rose
APPLICANT: Zhang, Dong Xiao
TITLE OP INVENTION: BrbB Receptor-Specific Neuregulin Related Ligands and
TITLE OP INVENTION: Uses Therefor
FILE REFERENCE: P1084R1C2
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APPLICANT: Mark, Melanie Rose
APPLICANT: Zhang, Dong Xiao
CURRENT APPLICATION NUMBER: US/10/136,573A
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47; Conservative
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IDENTIFICATION METHOD:
OTHER INFORMATION:
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3TH: 47 amino acids
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Pred. No. 2e-26;
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CURRENT FILING DATE:

2002-04-29

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Sequence 3, Application US/10215862
Publication No. US20030036166A1
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J.
APPLICANT: Mark, Melanie Rose
APPLICANT: Zhang, Dong Xiao
TITLE OF INVENTION: BrbB Receptor-Specific Neuregulin Related Ligands
TITLE OF INVENTION: Uses Therefor
FILE REFERENCE: P1084R1D2C1
CURRENT APPLICATION NUMBER: US/10/215,862
CURRENT FILING DATE: 2002-09-24
PRIOR APPLICATION NUMBER: US 09/126,663
PRIOR FILING DATE: 1998-07-50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION NUMBER: US 08/899,437
PRIOR FILING DATE: 1997-07-24
PRIOR. APPLICATION NUMBER: US 60/052,019
PRIOR. FILING DATE: 1997-07-09
NUMBER OF SEQ ID NOS: 23
SEQ ID NO 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQ ID NOS: 23
SEQ ID NO 8
LENGTH: 47
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Best Local Similarity
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Best Local (
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CURRENT APPLICATION NUMBER: US/10/215,862
CURRENT FILING DATE: 2002-09-24
PRIOR APPLICATION NUMBER: US 09/126,663
PRIOR FILING DATE: 1998-07-30
PRIOR FILING DATE: 1998-07-30
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PRIOR FILING DATE: 2000-01-11
PRIOR APPLICATION NUMBER: US 08/899,437
PRIOR FILING DATE: 1997-07-24
PRIOR PILING DATE: 1997-07-09
PRIOR FILING DATE: 1997-07-09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related Ligands and
TITLE OF INVENTION: Uses Therefor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH:
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l Similarity 100.0%;
47; Conservative 0;
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47; Conserv
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Pred. No. 2e-26;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2e-26;
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Sequence 2, Application US/10609370
Publication No. US20040048295A1
Publication No. US20040048295A1
Publication No. US20040048295A1
PUBLICANT: Young et al.
PITTLE OF INVENTION: Heregulin-Like Factor
PILE REFERENCE: PF938D1
CURRENT APPLICATION NUMBER: US/10/609,370
CURRENT FILING DATE: 2003-07-01
PRIOR APPLICATION NUMBER: 09/097,681
PRIOR PRICE PRIOR DATE: 1997-06-17

ORGANISM: Homo sapiens JS-10-609-370-2

SOFTWARE: PatentIn SEQ ID NO 2

ENGTH: 157

RESULT 10 US-10-609-370-2

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US-10-240-411-6
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                                                                                                                                                ; TYPE: PRT ; ORGANISM: Mus musculus US-10-240-411-6
                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 6, Application US/10240411 Publication No. US20040121326A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQ ID NO 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
Matches 47; Conserv
                                                                                                                                                                                                                        SOFTWARE: PatentIn version 3.0 SEQ ID NO 6
                                                                            Matches
                                                                                                                                                                                                                                                                         APPLICANT: Yarden, Yosef
TITLE OF INVENTION: NOVEL GROWTH FACTOR WHICH ACTS THROUGH ERB B-4 RECEPTOR TYROSI
TITLE OF INVENTION: SEQUENCES ENCODING SAME AND USES THEREOF
PILE REFERENCE: 01/21918
CURRENT APPLICATION NUMBER: US/10/240,411
CURRENT FILING DATE: 2003-05-16
PRIOR APPLICATION NUMBER: US 09/553,769
PRIOR FILING DATE: 2000-04-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION NUMBER: US 08/899,437
PRIOR FILING DATE: 1997-07-24
PRIOR APPLICATION NUMBER: US 60/052,019
PRIOR FILING DATE: 1997-07-09
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                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Harari, Daniel
APPLICANT: Yarden, Yosef
                                                                                                                                                                                                                                                             NUMBER OF SEQ ID NOS: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: PRT
ORGANISM: Homo sapiens
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                                                                                                                                                                                                      ENGTH:
                                                                Local Similarity 100.0%; tes 47; Conservation
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                         1 HFKPCRDKDLAYCLNDGECFVIETLIGSHKHCRCKEGYQGVRCDQFL 47
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HFKPCRDKDLAYCINDGECFVIETLTGSHKHCRCKEGYQGVRCDQFL
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                                                                                           Score 277;
Pred. No. 2
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Pred. No. 2e-26;
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                                                                            Mismatches
                                                                                             2e-26;
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                                                                                                               Length 48;
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Ligands and Uses Therefor

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RESULT 12
US-09-877-665-7
; Sequence 7, Application US/09877665
; Parent No. US20020164680A1
; GENERAL INFORMATION:
; GENERAL INFORMATION:
APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
; TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
                                                                                                                                                                                                                                                                                                                                                                                                                             IDENTIFICATION METHOD:
OTHER INFORMATION:
SEQUENCE DESCRIPTION: SEQ ID NO:
US-09-817-647-7
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US-09-817-647-7
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Patent No. US20020082229A1
GENERAL INFORMATION:
APPLICANT: Godowski
                                                                                                                                                                                                                                                                                                                                                  Query Match 100.0%;
Best Local Similarity 100.0%;
Matches 47; Conservative 0;
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READALE FORM:

COMPUTER READALE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: WinPatin (Genentech)

CURRENT APPLICATION NUMBER: US/09/817,647

FILING DATE: 26-Mar-2001

CLASSIFICATION NUMBER: US/09/817,647

FILING DATE: CHAKNOWN>

PRIOR APPLICATION NUMBER: 09/107,979

FILING DATE: *Unknown>

APPLICATION NUMBER: 09/107,979

FILING DATE: *Unknown>

APPLICATION NUMBER: 36,487

REFERENCE/DOCKET NUMBER: 91084R1-2

TELSCOMMUNICATION INFORMATION:

TELSPHONE: 650/252-9881

TELSPHONE: 650/952-9881
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
Ligands and Uses Therefor
NUMBER OF SEQUENCES: 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                   286 HFKPCRDKDLAYCLNDGECFVIETLTGSHKHCRCKEGYQGVRCDQFL 332
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME/KEY: hNRG3 extracellular domain/Amino AcidSeq LOCATION: 1-360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TOPOLOGY: Linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: Amino Acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
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100.0%; Pred. No. 6.7e-26;
tive 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                  Score 277; DB 9;
Pred, No. 1.6e-25;
; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                           Length 360;
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SEQ ID NO 7
LENGTH: 360
TYPB: PRT
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Publication No. US20020161200A1
GENERAL INFORMATION:
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Best Local :
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                                                                                         PRIOR APPLICATION NUMBER: US 09/480,977
PRIOR FILING DATE: 2000-01-11
PRIOR APPLICATION NUMBER: US 08/899,437
PRIOR FILING DATE: 1997-07-24
PRIOR APPLICATION NUMBER: US 60/052,019
PRIOR FILING DATE: 1997-07-09
                                                                                                                                                                                                                                                                                    APPLICANT: Godowski, Paul J.
APPLICANT: Mark, Melanie Rose
APPLICANT: Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related Ligands
TITLE OF INVENTION: Uses Therefor
FILE REFERENCE: P1084R1C2
                                                                                                                                                                                                                                      CURRENT APPLICATION NUMBER: US/10/136,573A
CURRENT FILING DATE: 2002-04-29
                                                                       NUMBER OF SEQ ID NOS: 23
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APPLICATION NUMBER: US/09/877,665

FILING DATE: 08-Jun-2001

CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:

APPLICATION UNMBER: US/09/109,206

FILING DATE: 30-Jun-1998

ATTORNEY/AGENT INFORMATION:

NAME: Conley, Detadre L.

REGISTRATION NUMBER: 36,487

REGISTRATION NUMBER: 36,487

REFERENCE/DOCKET NUMBER: D1084R1-1

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE CHARACTERISTICS:
LENGTH: 360 amino acids
TYPE: Amino Acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ZIP: 94080
COMPUTER READABLE FORM:
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ADDRESSEE: Genente
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         286 HFKPCRDKDLAYCLNDGECFVIETLTGSHKHCRCKEGYQGVRCDQFL 332
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ch 100.0%; Score 277; DB 9; Similarity 100.0%; Pred. No. 1.6e-25; 47; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        HFKPCRDKDLAYCLNDGECFVIETLTGSHKHCRCKEGYQGVRCDQFL 47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: WinPatin (Genentech)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CITY: South San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: Linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STREET: 1 DNA Way
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OCATION:
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; LENGTH: 360
; TYPB: PRT
; ORGANISM: Homo sapiens
US-10-215-862-7
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Sequence 3, Application US/09817647
Sequence 3, Application US/09817647
Patent No. US20020082229A1
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
Title OF INVENTION: ErbB Receptor-Specific Neuregulin Related
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 7, Application US/10215862
Publication No. US20030036166A1
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TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related Ligands and
TITLE OF INVENTION: Uses Therefor
FILE REFERENCE: P1084RLD2C1
CURRENT APPLICATION NUMBER: US/10/215,862
CURRENT FILLNG DATE: 2002-09-24
PRIOR APPLICATION NUMBER: US 09/126,663
PRIOR FILING DATE: 1998-07-30
PRIOR FPLICATION NUMBER: US 08/899,437
PRIOR APPLICATION NUMBER: US 08/899,437
PRIOR FILING DATE: 1997-07-24
PRIOR FILING DATE: 1997-07-09
PRIOR FILING DATE: 1997-07-09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Godowski, APPLICANT: Mark, Me APPLICANT: Zhang, D
       COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: WinPatin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/817,647

FILING DATE: 26-Mar-2001

CLASSIFICATION: <UNknown>
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                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
PRIOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            OF SEQ ID NOS: 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       286 HFKPCRDKDLAYCLNDGECFVIETLTGSHKHCRCKEGYQGVRCDQFL 332
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       286 HFKPCRDKDLAYCLNDGECFVIETLTGSHKHCRCKEGYQGVRCDQFL 332
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ch 100.0%; Score 277; DB 13; l Similarity 100.0%; Pred. No. 1.6e-25; 47; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 HFKPCRDKDLAYCLNDGECFVIETLTGSHKHCRCKEGYQGVRCDQFL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 HFKPCRDKDLAYCLNDGECFVIETLTGSHKHCRCKEGYQGVRCDQFL 47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         l Similarity
47; Conserv
                                                                                                                                                                                                                                                             CITY: South San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                          STREET: 1 DNA Way
                                                                                                                                                                                                                                           COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mark, Melanie Rose
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%; Score 277; DB 14; ilarity 100.0%; Pred. No. 1.6e-25; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Paul J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 360;
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Query Match
Best Local Similarity
Warches 47; Conserve
                                                                                                                          SEQUENCE DESCRIPTION: SEQ ID NO: US-09-817-647-3
                                                                                                                                                                                                                                                                                                    TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 3:
                                                                                                                                                                                                                                                     SEQUENCE CHARACTERISTICS:
LENGTH: 362 amino acids
TYPE: Amino Acid
                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: 09
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                    TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
                                                                                                                                                                                                                         FEATURE:
1 HFKPCRDKDLAYCLNDGBCFVIETLTGSHKHCRCKEGYQGVRCDQFL 47
                                                                                                                                                                                                                                                                                                                                                               NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1084R1-2
                                                                                                                                                                         LOCATION: 1-362
IDENTIFICATION METHOD:
                                                                                                                                                          OTHER INFORMATION:
                                                                                                                                                                                                         NAME/KEY:
                                                                                                                                                                                                                                        TOPOLOGY: Linear
                                                                 Conservative
                                                                             100.0%;
                                                                                                                                                                                                         mNRG3 extracellular domainAmino acid
                                                                 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                  09/107,979
                                                                                Score 277; DB 9;
Pred. No. 1.6e-25;
                                                                 Mismatches
                                                                                                                                               ω
                                                                                               Length 362;
                                                                   Indels
                                                                    0
                                                                   Gaps
                                                                    0;
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MESULT 16

US-09-877-665-3

IS-09-877-665-3

Sequence 3, Application US/09877665

Patent Mo. US20020164680A1

GENERAL INFORMATION:

PATENTIAL OF INVENTION: ExbB Receptor-Specific Neuregulin Related

TITLE OF INVENTION: ExbB Receptor-Specific Neuregulin Related

I Ligands and Uses Therefor

NUMBER OF SEQUENCES: 23

CORRESSORUBINCE ADDRESS:

ADDRESSE: Genentech, Inc.

STREET: 1 DNA Way

CITY: South San Francisco

STATES: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: EC-DOS/MS-DOS

SOFTWARE: WinPatin (Genentech)

APPLICATION NUMBER: US/09/877,665

FILING DATE: 08-Jun-2001

CLASSIFICATION NUMBER: US/09/877,665

FILING DATE: 30-Jun-1998

ATTORNEY/AGENT INFORMATION:

REFERENCE/DOCKET NUMBER: P1084R1-1

TELECOMMUNICATION INFORMATION:

THE TELE

INFORMATION FOR SEQ ID NO: 3: SEQUENCE CHARACTERISTICS:

FEATURE:

LENGTH: 362 amino acids TYPE: Amino Acid TOPOLOGY: Linear

NAMB/KBY:

mNRG3 extracellular domainAmino acid seq

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GENERAL INFORMATION.

APPLICANT: Goldowski, Paul J.

APPLICANT: Goldowski, Paul J.

APPLICANT: Goldowski, Paul J.

APPLICANT: Shang, Dong Xiao

ITILE OF INVENTION: ErbB Receptor-Specific Neuregulin Related Ligands and TITLE OF INVENTION: Uses Therefor

FILE REFERENCB: P1084R1D2C1

CURRENT APPLICATION NUMBER: US/10/215,862

CURRENT FILING DATE: 1998-07-30

PRIOR APPLICATION NUMBER: US 09/126,663

PRIOR APPLICATION NUMBER: US 09/899,437

PRIOR APPLICATION NUMBER: US 08/899,437

PRIOR FILING DATE: 1997-07-24

PRIOR APPLICATION NUMBER: US 08/899,437

PRIOR FILING DATE: 1997-07-24

PRIOR FILING DATE: 1997-07-29

PRIOR FILING DATE: 1997-07-09

PRIOR PRIO
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CURRENT APPLICATION NUMBER: US/10/136,573A
CURRENT FILING DATE: 2002-04-29
PRIOR APPLICATION NUMBER: US 09/480,977
PRIOR FILING DATE: 2000-01-11
PRIOR APPLICATION NUMBER: US 08/899,437
PRIOR FILING DATE: 1997-07-09
PRIOR APPLICATION NUMBER: US 60/052,019
PRIOR APPLICATION NUMBER: US 60/052,019
PRIOR FILING DATE: 1997-07-09
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Matches
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQ ID NO 3
LENGTH: 362
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 3, Application US/10215862 Publication No. US20030036166A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Godowski, Paul J.
APPLICANT: Mark, Melanie Rose
APPLICANT: Zhang, Dong Xiao
TITLE OF INVENTION: ExbB Receptor-Specific Neuregulin Related Ligands and
TITLE OF INVENTION: Uses Therefor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQ ID NOS: 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: PRT ORGANISM: Mus musculus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local Similarity
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OTHER INFORMATION:
SEQUENCE DESCRIPTION: SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     288 HFKPCRDKDLAYCLNDGECFVIETLTGSHKHCRCKEGYQGVRCDQFL 334
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              288 HEKECRDKDLAYCENDGECEVIETLTGSHKHCRCKEGYQGVRCDQFL 334
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Conservative
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, Sequence 23, Application US/09817647
; Patent No. US20020082229A1
; GENERAL INFORMATION:
, APPLICANT: Godowski, Paul J.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           문
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                                                                                                                                                                                                                                                                                                           US-09-817-647-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 19
                                                                                                                                                           Matches
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Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:

WEDIUM TYPE: 3.5 inch, 1.44 Mb flops

WEDIUM TYPE: 3.5 inch, 1.44 Mb flops

COMPUTER: 1BM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: WinPatin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/817,647

FILING DATE: 26-Mar-2001

CLASSIFICATION: CURCHOMD>

PRIOR APPLICATION DATA:

ORDER OF THE PROPERTY OF THE PR
                                                                                                                                                   Match 100.0%;
Local Similarity 100.0%;
tes 47; Conservative 0
                                                                                                                                                                                                                                                                                                                                                IDENTIFICATION METHOD:
OTHER INFORMATION:
SEQUENCE DESCRIPTION: SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1084R1-2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: 09/107,979
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES: 23
1 HFKPCRDKDLAYCLNDGECFVIETLIGSHKHCRCKEGYQGVRCDQFL 47
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47; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME/KEY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: Amino Acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CITY: South San F:
STATE: California
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STREET: 1 DNA Way
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY: Linear
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1-696
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                                                                                                                                               Score 277; DB y;
Pred. No. 3.1e-25;
                                                                                                                                                                                                                                                                                                                                                        23:
                                                                                                                                                                                                                             Length 696;
                                                                                                                                                       Indels
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RESULT 20 US-09-877-665-23 Sequence 23, Application US/09877665 Patent No. US20020164680A1

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RESULT 21
US-10-136-573A-23
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                                                                                                                                                                                                                                                                                            Sequence 23, Application US/10136573A Publication No. US20020161200A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local :
                                                                                                               APPLICANT: Zhang, Dong Xiao
TITLE OF INVENTION: Excb Receptor-Specific Neuregulin Related Ligands and
TITLE OF INVENTION: Uses Therefor
FILE REFERENCE: P1084R1C2
CURRENT APPLICATION NUMBER: US/10/136,573A
CURRENT FILING DATE: 2002-04-29
PRIOR APPLICATION NUMBER: US 09/480,977
                                                                                                                                                                                                                                   APPLICANT: Godowski, Paul J.
APPLICANT: Mark, Melanie Rose
APPLICANT: Zhang, Dong Xiao
                                     PRIOR FILING DATE: 2000-01-11
PRIOR PELICATION NUMBER: US 08/899,437
PRIOR FILING DATE: 1997-07-24
PRIOR APPLICATION NUMBER: US 60/052,019
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ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPBEATING SYSTEM: PC-DOS/MS-DOS
APPLICATION NUMBER: US 60/052,019
FILING DATE: 1997-07-09
R OF SEQ ID NOS: 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               IDENTIFICATION METHOD:
OTHER INFORMATION:
SEQUENCE DESCRIPTION: SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           REFERENCE/DOCKET NUMBER: 1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/252-2066
TELEPHONE: 650/952-9881
RMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
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NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SOFTWARE: WinPatin (Genentech)
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                l Similarity
47; Conserv
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FILING DATE: 08-Jun-2001
CLASSIFICATION: CHAROWD>
R APPLICATION DATA:
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STATE: California
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 696 amino acids
TYPE: Amino Acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
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can Francisco
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1-696
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Pred. No. 3.1e-25;
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; SEQ ID NO 23
; LENGTH: 696
; TYPS: PRT
; ORGANISM: Homo sapiens
US-10-136-573A-23
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Patent No. US20020082229A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR FILING DATE: 1997-07-24
PRIOR APPLICATION NUMBER: US 60/052,019
PRIOR FILING DATE: 1997-07-09
NUMBER OF SEQ ID NOS: 23
SEQ ID NO 23
SEQ ID NO 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 23, Appropriate Publication No.
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Best Local Similarity
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TITLE OF INVENTION: BrbB Receptor-Specific Neurogulin Related Ligands and
TITLE OF INVENTION: Uses Therefor
FILE REFERENCE: P1084R1D2C1
CURRENT APPLICATION NUMBER: US/10/215,862
CURRENT FILING DATE: 2002-09-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Godowski, Paul J.
APPLICANT: Mark, Melanie Rose
APPLICANT: Zhang, Dong Xiao
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION NUMBER: US 09/126,663
PRIOR FILING DATE: 1998-07-30
PRIOR APPLICATION NUMBER: US 08/899,437
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local
                 SOFTWARE: WinPatin (Genentech)
CURRENT APPLICATION DATA:
                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                            NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
                                                                                                                                                                                                                                                                                                        APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
Ligands and Uses Therefor
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47; Conserv
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                                                                                                                                                                                  STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
                                                                                                                                                                  COUNTRY: USA
APPLICATION NUMBER: US/09/817,647
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Conservative 0;
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Pred. No. 3.1e-25;
Mismatches 0;
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PRIOR APPLICATION DATA

FILING DATE: 26 CLASSIFICATION:

26-Mar-2001

<Unknown>

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RESULT 24
US-09-877-665-2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 100.

Best Local Similarity 100.

Matches 47; Conservative
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INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
                                                          INFORMATION FOR SEQ ID NO: 2:
                                                                                                              APPLICATION NUMBER: US/09/877,665
PILING DATE: 08-Jun-2001
CLASSIFICATION: CUNKNOWN>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/109,206
FILING DATE: 30-Jun-1998
ATTORNEY/AGENT INFORMATION:
NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36.487
REFERENCE/DOCKET NUMBER: 91084R1-1
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                         COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOPTWARE: WinPatin (Genentech)
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                       ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1084R1-2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FEATURE
                                         SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
Ligands and Uses Therefor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE DESCRIPTION: SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ATTORNEY/AGENT INFORMATION:
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TYPE: Amino Acid
                                                                                                 TELEPHONE: 650/225-2066
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CITY: South San F
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Application US/09877665
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OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LOCATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: 09/107,979 FILING DATE: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STREET: 1 DNA Way
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME/KEY:
                 LENGTH:
                                                                                FELSFAX: 650/952-9881
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: Linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LENGIH: 713 amino acids
TYPE: Amino Acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mouse NRG3 (mNRG3)/amino acid seq
1-713
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Pred. No. 3.2e-25;
); Mismatches 0;
                                                                                                                                            P1084R1-1
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GENERAL INFORMATION:

APPLICANT: Godowski, Paul J.

APPLICANT: Zhang, Dong Xiao

ITILE OF INVENTION: Bres Therefor

FILE REFERENCE: P1084R1D2C1

CURRENT APPLICATION NUMBER: US/10/215,862

CURRENT FILING DATE: 2002-09-24

PRIOR APPLICATION NUMBER: US 09/126,663

PRIOR APPLICATION NUMBER: US 09/126,663

PRIOR FILING DATE: 1998-07-30

PRIOR FILING DATE: 1998-07-30

PRIOR FILING DATE: 1997-07-24

PRIOR APPLICATION NUMBER: US 60/052,019

PRIOR FILING DATE: 1997-07-09
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US-10-136-573A-2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local 9
                                                                                                                                                                                                                                                                                                                                   Sequence 2, Application US/10215862
Publication No. US20030036166A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQ ID NOS: 23
SEQ ID NO 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 2, Application US/10136573A Publication No. US20020161200A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR FILING DATE: 1997-07-24
PRIOR APPLICATION NUMBER: US 60/052,019
PRIOR FILING DATE: 1997-07-09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILE REPERENCE: P1084R1C2
CURRENT APPLICATION NUMBER: US/10/136,573A
CURRENT FILING DATE: 2002-04-29
PRIOR APPLICATION NUMBER: US 09/480,977
PRIOR FILING DATE: 2000-01-11
PRIOR APPLICATION NUMBER: US 08/899,437
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Godowski, Paul J.
APPLICANT: Mark, Melanie Rose
APPLICANT: Zhang, Dong Xiao
TITLE OF INVENTION: Brbs Receptor-Specific Meuregulin Related Ligands and
TITLE OF INVENTION: Uses Therefor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT
ORGANISM: Mus musculus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ENGTH: 713
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                      288 HFKPCRDKDLAYCLNDGBCFVIETLTGSHKHCRCKEGYQGVRCDQFL 334
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           47;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 HFKPCRDKDLAYCLNDGBCFVIETLTGSHKHCRCKEGYQGVRCDQFL 47
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         IDENTIFICATION METHOD: OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LOCATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME/KEY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: Linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%; Score 277; DB 9; 100.0%; Pred. No. 3.2e-25; 7ative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mouse NRG3 (mNRG3)/amino acid seq.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%; Score 277; DB 13; 100.0%; Pred. No. 3.2e-25; +ivo 0: Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0;
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RESULT 28
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US-09-817-647-6
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; SEQ ID NO 2
; LENGTH: 713
                                                                                                                                                                                                                                                                                                                                                                                                                             CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:

APPLICATION DATA:

APPLICATION UNIVERE: 09/107,979
PILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:

NAME: CONLEY, Deirdre L.

REGISTRATION NUMBER: 36,487
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: 91084&1-2
TELECOMMUNICATION INFORMATION:
TELEPHON: 650/225-2066
TELEPHON: 650/225-2066
TELEPHON: 650/225-2061
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 6, Application US/09817647
Patent No. US20020082229A1
GENERAL INFORMATION:
                                                                                                                                            Matches
                                                                                                                                                                                   Query Match
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                                                                                                                                                              Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/NS-DOS SOFTWARE: WinPatin (Genentech)

CURRENT APPLICATION DATA: 26-Mar-2001
FILING DATE: 26-Mar-2001
                                                                                                                                                                                                                                                                                                                                                      FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
Ligands and Uses Therefor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CORRESPONDENCE ADDRESS:
ADDRESSEE: Genente
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES:
                                                       286 HPKPCRDKDLAYCLADGECFVISTLTGSHKHCRCKEGYQGVRCDQFL 332
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        288 HFKPCRDKDLAYCLNDGECFVIETLTGSHKHCRCKEGYQGVRCDQFL 334
                                                                                                                                         47; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 HFKPCRDKDLAYCLNDGBCFVIETLTGSHKHCRCKEGYQGVRCDQF1 47
                                                                                                1 HFKPCRDKDLAYCLNDGECFVIETLTGSHKHCRCKEGYQGVRCDQFL 47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Similarity
                                                                                                                                                                                                                                                                                                            LOCATION:
                                                                                                                                                                                                                                                                                                                                                                                           TYPE: Amino Acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STATE: California
                                                                                                                                                                                                                                                                     OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                             NAME/KEY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CITY: South San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STREET: 1 DNA Way
                                                                                                                                                                                                                                                                                        IDENTIFICATION METHOD:
                                                                                                                                                                                                                                                                                                                                                                        ToPoLogy: Linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Conservative
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                                                                                                                                                                                                                                                                                                                               hNRG3B1 amino acid sequence
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                                                                                                                                       100.0%; Score 277; DB 9;
100.0%; Fred. No. 3.2e-25;
tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%; Score 277; DB 14; 100.0%; Pred. No. 3.2e-25; tive 0; Mismatches 0;
                                                                                                                                                                              Length 720;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 713;
                                                                                                                                         Indels
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APPLICANT: Young et al.
TITLE OF INVENTION: Recegulin-Like Factor
FILE REFERENCE: PE383D1
CURRENT APPLICATION NUMBER: US/10/609,370
CURRENT FILING DATE: 2003-07-01
PRIOR APPLICATION NUMBER: 09/097,681
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/049,942
PRIOR FILING DATE: 1997-06-17
NUMBER OF SEQ ID NOS: 22
SOFTMARE: PRIOR FILING DATE: 1997-06-17
NUMBER OF SEQ ID NOS: 22
SOFTMARE: PRIOR FILING DATE: 1997-06-17
NUMBER OF SEQ ID NOS: 22
SOFTMARE: PRIOR FILING DATE: 1997-06-17
NUMBER OF SEQ ID NOS: 22
SOFTMARE: PRIOR FILING DATE: 1997-06-17
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                                                                                                                                                                                                                                                                                                                     ; Sequence 22, Application US/10609370 ; Publication No. US20040048295A1 ; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                   US-10-609-370-22
                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 29
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Patent No. US20020164680A1
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
TITLE OF INVENTION: BrbB Receptor-Specific Neuregulin Related
Ligands and Uses Therefor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           INFORMATION FOR SEQ ID NO: 6:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Match 100.0%; Score 277; DB 9; Local Similarity 100.0%; Pred. No. 3.2e-25;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatin (Genentech)
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: US/09/877,665
PHING DATE: 08-dun-2001
CLASSIFICATION: cUnknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/109,206
FILING DATE: 30-dun-1998
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE DESCRIPTION: SEQ ID NO: 6:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
REFREENCE/DOCKET NUMBER: P1084R1-1
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           286 HFKPCRDKDLAYCLNDGECFVIETLTGSHKHCRCKEGYQGVRCDQFL 332
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                47;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 HFKPCRDKDLAYCLNDGECFVIETLTGSHKHCRCKEGYQGVRCDQFL 47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME/KEY:
LOCATION:
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STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       IDENTIFICATION METHOD: OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH: 720 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEPHONE: 650/225-2066
TELEPAX: 650/952-9881
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CHARACTERISTICS:
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APPLICANT: CAMBALLANT:
APPLICANT: Mark, Melanie Rose
APPLICANT: Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related Ligands and
TITLE OF INVENTION: Uses Therefor
FILE REFERENCE: pl0044Ric2
CURRENT APPLICATION NUMBER: US/10/136,573A
CCURRENT FILING DATE: 2002-04-29
PRIOR APPLICATION NUMBER: US 09/480,977
PRIOR FILING DATE: 2000-01-11
PRIOR APPLICATION NUMBER: US 08/899,437
PRIOR APPLICATION NUMBER: US 08/899,437
PRIOR FILING DATE: 1997-07-24
PRIOR FILING DATE: 1997-07-24
PRIOR FILING DATE: 1997-07-09
NUMBER OF SEQ ID NOS: 23
SEQ ID NO 6
LENGTH: 720
TYPE: DET
                                                                                                         APPLICANT: Godowski, Paul J.
APPLICANT: Mark, Melanie Rose
APPLICANT: Zhang, Dong Xiao
TITLE OF INVENTION: BrbB Receptor-Specific Neuregulin Related Ligands and
TITLE OF INVENTION: Uses Therefor
FILE REFERENCE: P1084R1D2C1
CURRENT APPLICATION NUMBER: US/10/215,862
CURRENT FILING DATE: 2002-09-24
PRIOR APPLICATION NUMBER: US 09/126,663
PRIOR FILING DATE: 1993-07-30
PRIOR APPLICATION NUMBER: US 08/899,437
PRIOR FILING DATE: 1997-07-24
PRIOR APPLICATION NUMBER: US 08/899,437
PRIOR FILING DATE: 1997-07-29
PRIOR FILING DATE: 1997-07-29
PRIOR FILING DATE: 1997-07-09
NUMBER OF SEC ID NOS: 23
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; ORGANISM: Homo sapiens
US-10-609-370-22
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US-10-136-573A-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 6, Application US/10215862
Publication No. US20030036166A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 100.0%;
Best Local Similarity 100.0%;
Matches 47; Conservative 0
                                                                                      SEQ ID NO 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 6, Application US/10136573A Publication No. US20020161200A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LENGTH: 720
TYPE: PRT
ORGANISM: Homo sapiens
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fYPE: PKT
ORGANISM: Homo sapiens
                                                                 ENGTH: 720
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  / Match 100.0%; Score 277; DB 13; Local Similarity 100.0%; Pred. No. 3.2e-25; ses 47; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 HFKPCRDKDLAYCLNDGECFVIETLTGSHKHCRCKEGYQGVRCDQFL 47
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Pred. No. 3.2e-25;
0; Mismatches 0;
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US-10-215-862-6

Query Match
Query Match
Best Local Similarity 100.0%; Score 277; DB 14; Length 720;
Best Local Similarity 100.0%; Pred. No. 3.2e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps

Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps

Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps

Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps

Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps

Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps

Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps

Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps

Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps

Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps

Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps

Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps

Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps

Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps

Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps

Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps

Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps

Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps
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Search completed: July 6, 2004, 11:08:50 Job time : 380 secs